Flying Around the World in Seven Days

Within 50 Years, It Is Predicted, It Will Be Done by a Speedy Air Boat

HE full line on the map indicates the probable route of a 'plane around the eld. The broken line is the agte followed by Jules Verne's sveller, who circled the globe eighty days.

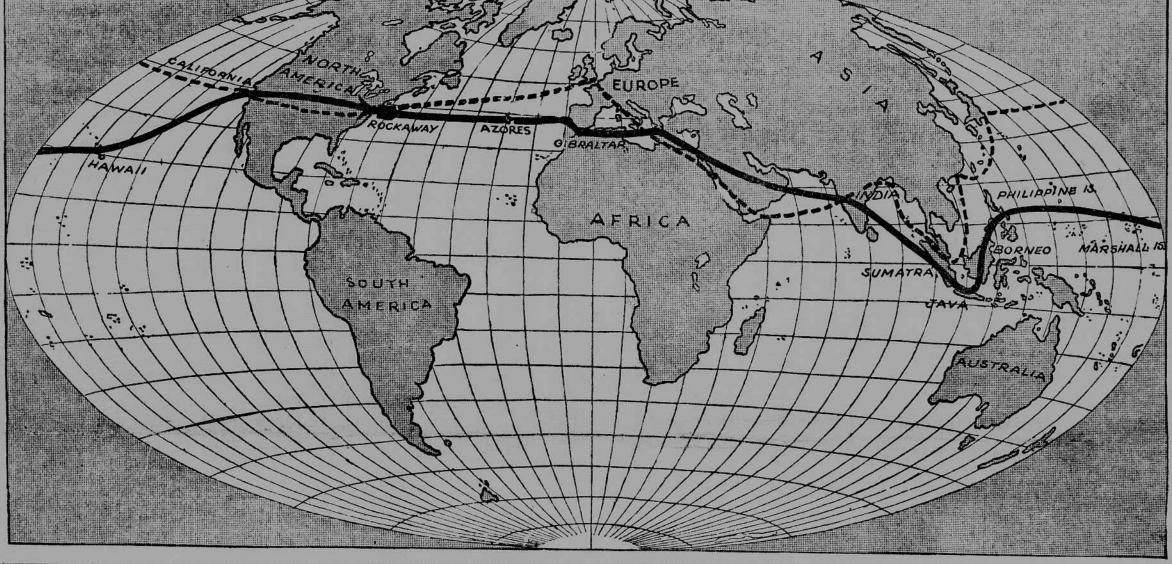
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Twenty Thousand Leagues Under he Sea," in which he described the myage of a boat travelling under m but that they portrayed the posat was only forty-six years ago! What progress the last fifty years as seen! But instead of fifty, conider only the last twenty, the last fteen, the last ten years! Progress all things, but especially in aeroautics. Sixteen years ago the Wright brothers performed a pheomenal feat-they flew the length three city blocks in a heavierhan-air machine. Ten years ago s land simplane crossed the Atlantic ing boat to the fore. -1,960 miles-in a non-stop flight

entre their attention on speed.

Types and Routes

low soon will the trip be made? stop flight necessary to fly hours and three minutes. around the world will be required The great lifting power of the ning an around-the-world flight.



distance covered. monstrated the advantages and the biplane. It averaged 120 miles an Out from Rockaway ire miles an hour in 1909 to the Which will be chosen for the first sixteen hours. The flight was a the world will be made along routes maximum of 200 miles an hour in flight around the world? What are glorious achievement, but it does where protected waters are within

Of course, we shall soon fly NC-4 demonstrated the capabilities long distance oversea flying nor that it is likely that the start will be around the world, but the first trip of the flying boat. It proved itself it will be used in the first air trip made from Rockaway and the first till take months, just as the first self-reliant in the face of storm and around the world. A forced landing stop will be at the midocean airport, recorded trip across the Atlantic— fog. Fifteen men were carried over for repairs in midocean would mean the Azores. It will be unnecessary the voyage of Columbus—took 1,300 miles into adverse weather. not only the end of the flight but within the year improvements will But the seaworthy qualities of the the end of the machine, and probably make direct flights from Rockaway lished. The first trip across the Atlantic has now been crossed in flying boat brought them all to of the aviators also. Despite the to the Azores possible. less than five days by steamship safety. Improved construction, success of the flight of the Vickers- From the Azores to Lisbon and ad in sixteen hours by airplane. larger size and greater efficiency— Vimy, the aviators who piloted her then to Gibraltar will offer no par-Waile the pilots of the first air all these developments will come declared that in the future the flying ticular difficulties. Nor will there the around the world will devote quickly—will make this type of boat would be the type of craft best their attention to covering discraft superior to any means of fitted and safest for transoceanic ranean, with the southern ports of Another route which some flying airports will postpone establishment ance, those who make the first trip travel man has yet devised for flying. around the world in a week will crossing the Atlantic with utmost The Best Craft safety with mail, press dispatches,

Let us consider first the feat of The R-34's Record

that has already been done; what cent British dirigible R-34 proved sity of suitable landing fields for the airworthiness and stability of them and their helplessness over tible; what type of aircraft will be the giant airship. Although she the water in case of forced descent. the giant analy. Although the aircraft most fitted to make the encountered adverse weather, which prolonged her westward flight to journey is the flying boat. The fact Already a dirigible and a land 108 hours, the mighty craft, 670 that the flying boat can be refuelled airplane in non-stop flights have feet long, made her way to the ap- at sea from ships, its damaged the Atlantic Ocean. The pointed landing place without diffi- motors attended to, propellers rerigible covered 3,200 and the air-culty. The return journey was made placed and other minor repairs plane 1,960 miles. The longest in better time—three days three made while on the water will make

imping from the Hawaiian dirigible will make it the fast How soon will the trip be made? fand to San Francisco-2,100 freight and heavy mail carrier of The NC-4 took a 1,300-mile stretch That is but 140 miles longer the future. It is probable she will from St. John's to the Azores in one than the 1,960 miles already trav- never be able to compete with the flight. This represents approxiwied in the non-stop flight across ultra-speedy flying boat in the mately the limit of distance attainthe Atlantic; and since non-stop carrying of urgent mail and docu- able at present by a machine of that sats have progressed from one- ments, but her services will be much topye in a non-stop flight. But iminth of one mile to 1,960 miles to- more extensive. The volume of provements already being planned by by in the last sixteen years, non- mail and the number of passengers engineers and ready to be carried of flights of 2,100 miles are cer- carried by dirigibles will be many into execution will so increase the within a short time. But non- times that of flying boats. But range of flight for this type of craft transwater flights may not be great landing places and mammoth that an around-the-world flight in ery in an around-the-world supply stations are necessary. As easy stages will soon be possible.

1919 shows the ten-year progress in the special advantages of each? not even suggest that the land ma-The transatlantic flight of the chine will come into general use for winds favor a west to east flight. For more than sentimental reasons,

ties for dirigibles. Land 'planes will and Arabia, over the Red Sea and Isthmus of Panama, across the Isthherely flying around the world; The two crossings of the magnifi- be eliminated because of the neces- the Arabian Sea to India. it the first choice of aviators plan-

The crossing of the Atlan- these will not be established over That the flight will be attempted

able the dirigible will not be chosen tain. Increased reliability of pres- Sumatra, Java and Borneo, the ing point.

be lack of fuel and repair stations France, Italy and Greece at the dis- boat aviators are considering leads posal of the aerial Magellans. From from the Philippines up the Jap-For the first around-the-world ward, much as the mediaval trade the Bering Sea, down the Alaskan flight there will be no landing facili- route, along the coasts of Turkey coast, south all the way to the

Around the World

Route Taken by Jules Verne, Alias Phileas Fogg.

in His Famous and Then Almost Miraculous

Jaunt Around the Circle in 1872

ROM London to Sues via Mont Cenis and Brindisi;

From Hong Kong to Yokohama, by steamer.....

From New York to London, by steamer and rail

From Yokohama to San Francisco, by steamer..... 22

by rail and steamboats.....

world marvelled. Three months ago tic by the NC-4 has brought the fly- the world for some time it is prob- within the next year or two is cer-

Each transatlantic flight—that of for the first around-the-world flight. ent types of aircraft is all that is route will also follow lanes soon to This first flight will not be more 1969? From twenty miles in 1909 to nearly the flying boat, that of the dirigible, and airplane.

The speediest trip across the Attraction on water:

The speediest trip across the Attraction of the dirigible and airplane.

The speediest trip across the Attraction of the dirigible and airplane. tralia route, about two-thirds of the will be developed in less than two the average fast speed of the Great from the Philippines to the west automobile trip across the Amer- the average per hour for the fastest From the maximum speed of fiftydisadvantages of each type of craft. hour, and covered the distance in The first attempt to fly around coast of North America, will preican continent and over Siberia was day's run of the Mauretania was

Leftric with Wolfman, with Wo sent the greatest difficulties to the for the automobile. It is less a 27.04 knots, an approximate in- Leipzig, with Weimar, with Frank around-the-world flier. Although question of flying range than of crease of 100 per cent. In 1869 fort, and with the coast resorts. there are numerous islands in the endurance. There is little doubt the City of Brussels crossed the France is extending her lines into Pacific, the first attempt will be the craft will be able to withstand Atlantic in 117 minutes less than Morocco and Algeria. Italy is ma made so soon that few of these air- the storms encountered or be able eight days; in 1909 the Mauretania ing like preparations to connect its

> will be necessary during the next pound and tear of the 45,000-mile of Brussels forty years before. few years, although ultimately more flight? This is now the question of In air travelling the maximum signing of the armistice, her air direct travel routes will be estab- importance. Pacific may be from the Philippines dramatic, phenomenal, but much miles an hour speed of the R-34. from New York to Buenos Avres. to the Marshall Islands, then to the progress must be made before such The record speed of 55 miles an preparing the way for regular tri Hawaiian Islands, and lastly to the California mainland.

In Eighty Days

Greece the course will turn south- anese coast to Kamchatka, across

ports will have been developed. to cover the long jumps many over crossed in four days, ten hours and homeland with its colonie Around-the-world trips, involving a thousand miles each. Will the forty-one minutes-only 56 per land is mapping airways be thousands of extra miles of travel, motors and hull withstand the cent of the time it took the City the Motherland and her most dis-

more lifting power than hydrogen will make more rapid flight of diri- In Fifty Years? gibles possible at extremely high almus, the Gulf of Mexico and finally titudes, where winds 200 and 300 Moreover, the greatest distance to-day, and along each of these

flying around the world will not next fifty years?

fifty years—that is, since 1869? will be possible for airports with months to a week!

velopment of gases of considerably will airplanes fly in fifty years, in tralia.

miles an hour will assist the air- covered in a non-stop flight by a routes there will be signalling, sunship. There will be no oxygen dif. heavier-than-air-'plane in 1902 was ply and repair stations, as well as ficulties-the hull in which the crew but one-sixth of one mile. Com- extensive landing and "taking off" operates will be airtight with oxy- pare that with the 1,960 miles now fields. gen supplied from tanks—pressure covered in a non-stop flight—an will be the same as on the ground. increase of 1,170,000 per cent in Around the World On the other hand, serviceable cover in non-stop flights within the ports established on mainlands and

tennal will gather the energy from change of horses, just as our pres- trip around the world in a week not been serviceable from a com- for change of locomotives, and just because he prophesied that

will make the trip around the world is probably the flying boat. Two of the NC-4 class are shown above, photographed when they started over the Atlantic.

supplies, and machines will seen, very soon, dot the continents and the islands of all the seas. Think what has been done in this line in a few short months, since the signing of the armistice!

Although in the use of aircraft and in preparation for the future the United States is behind other leading nations, yet we now have an aerial mail route established between Washington and Philadelphia and Philadelphia and New York, and another connects New York, Cleveland and Chicago. England has a regular aerial mail service between London and Paris, and another between London and Cologne that saves three days in the delivery of mail. Belgium has an aerial mail service between Brussels and Paris; France has such a service radiating from Paris to Lyons and Marseilles, and another from Paris to Bordeaux. In Italy Naples, Rome. Turin, Milan and Venice are linked together by regular aerial mail service. For six months Germany has maintained daily aerial mail service between Berlin and Hamburg.

More Has Been Done

But these European nations have done more than establish aerial mail service. England has a daily acculaerial passenger service between Paris and Brussels. The are daily carrying passengers -

23 miles an hour speed of Le Geant planes have flown from London to The first flight will be interesting, in 1863 is now the maximum 70 India, a distance greater than that flights become practical and capa- hour by a heavier-than-air-plane in in the near future. Along this ble of giving efficient service. For 1909 is now put in the background route she has established signalling regular trips it is probable the long by the 200 miles an hour of excep- stations, supply stations and remain distance dirigible will be employed, tional combat 'planes and the aver-stations. And England's routes are but the development of adequate age of 120 miles an hour of the being laid out and traversed from Vickers-Vimy in its transatlantic London to Africa and northward of regular trips by such craft for flight. What will the future bring from Cape Town. She is also presome time. The discovery or de- in increase of speed? How fast paring a route from India to Aus-

oceans will be covered by air routes

but sixteen and one-half years. With air routes mapped out and What distances may not airplanes in use all over the world, with aircome into its own until many rad- In making the record speed trip, ments of machines giving added enical improvements are made. The in flying around the world in a durance and reliability, with the at most important of these inventions week, we shall stop for fuel and tainment of increased speed-who will be wireless transmission of change of machines just as a hun-shall ridicule the possibility and power. Instead of carrying gaso- dred years ago coaches from New probability-yes, the certainty lene fuel weighing many tons, an- York to Philadelphia stopped for within the next fifty years-of a

the ether. But, serviceable or not, ent five-day railway trains from Poor Jules Verne-discredited the flights across the Atlantic have New York to San Francisco stop fifty years ago-even called insane mercial or purely utilitarian view- as our present record trip around would some day travel under water point-an aerial trip around the the world was made by changing and that a trip around the world from steamboat to railway train would be made in eighty days; poor Now let us consider flying around and from railway train to steam- Jules Verne-whose prophesies are the world in a week. To accomplish boat. In flying around the world of so little use to-day—they are now this there must be progress in the in a week many stops and quick so far behind the times! Fifty years speed of the machines of to-day, stops will be made; change of ma- have seen the journey around the We can judge somewhat of the chines will be made, both the land world reduced from over a year to future by the past. What has been 'plane and the flying boat will be three months. The next fifty years the progress in speed in the last used. All these stops and changes will see it reduced from three